

Title (en)
COATED STEEL SHEET

Title (de)
BESCHICHTETES STAHLBLECH

Title (fr)
FEUILLE D'ACIER REVÊTUE

Publication
EP 2034050 A4 20110504 (EN)

Application
EP 06757353 A 20060615

Priority
JP 2006312055 W 20060615

Abstract (en)
[origin: EP2034050A1] It is an object of the present invention to provide a coated steel sheet, properties of which such as tape peeling resistance, solvent resistance, alkali resistance and abrasion resistance are improved. A coated steel sheet coated with a composite coat, wherein said composite coat comprises a compounded resin (A) in which polyurethane resin particles (A-1) and ethylene-unsaturated carboxylic acid copolymerization resin particles (A-2), respectively having an average particle diameter of 20 to 100 nm and a silanol group and/or an alkoxyethyl group, are contained in a mass ratio of 20: 80 to 90:10 and silicon oxide particles (A-3) having an average particle diameter of 5 to 20 nm and an organic titanium compound (A-4) are compounded, polyolefin wax particles (B) having an average particle diameter of 0.5 to 4 µm and a softening point of 100 to 140°C, and silicon oxide particles (C) having an average particle diameter of 70 to 200 nm, and wherein an amount of a coat of said composite coat is 0.5 to 3 g/cm².

IPC 8 full level
C09D 123/26 (2006.01); **C09D 175/04** (2006.01)

CPC (source: EP KR US)
C08G 18/0823 (2013.01 - EP US); **C08G 18/10** (2013.01 - EP US); **C08G 18/12** (2013.01 - EP US); **C08G 18/44** (2013.01 - EP US); **C08G 18/6662** (2013.01 - EP US); **C08G 18/758** (2013.01 - EP US); **C09D 123/04** (2013.01 - EP US); **C09D 123/0869** (2013.01 - EP US); **C09D 123/26** (2013.01 - KR); **C09D 175/04** (2013.01 - EP KR US); **C09J 123/0869** (2013.01 - EP US); **C23C 26/00** (2013.01 - EP KR US); **C23C 30/00** (2013.01 - EP US); **C08G 2150/90** (2013.01 - EP US); **C08L 2666/20** (2013.01 - EP US); **Y10T 428/25** (2015.01 - EP US); **Y10T 428/254** (2015.01 - EP US); **Y10T 428/259** (2015.01 - EP US); **Y10T 428/26** (2015.01 - EP US); **Y10T 428/273** (2015.01 - EP US)

Citation (search report)
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Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 2034050 A1 20090311; EP 2034050 A4 20110504; EP 2034050 B1 20120215; BR PI0621828 A2 20111220; BR PI0621828 B1 20180102; CN 101466871 A 20090624; CN 101466871 B 20100929; HK 1135150 A1 20100528; JP 4829298 B2 20111207; JP WO2007144951 A1 20091029; KR 101278773 B1 20130625; KR 20090031351 A 20090325; MY 146642 A 20120914; RU 2009101041 A 20100720; RU 2404289 C2 20101120; TW 200801241 A 20080101; TW I408255 B 20130911; US 2010233469 A1 20100916; US 8241742 B2 20120814; WO 2007144951 A1 20071221

DOCDB simple family (application)
EP 06757353 A 20060615; BR PI0621828 A 20060615; CN 200680054985 A 20060615; HK 09111786 A 20091215; JP 2006312055 W 20060615; JP 2008521063 A 20060615; KR 20087029528 A 20060615; MY PI20064062 A 20060830; RU 2009101041 A 20060615; TW 95122589 A 20060623; US 30319106 A 20060615